

Abstract

This invention relates to an optical detection method for non-contact measuring an
5 object and separating the surface and deep information of a medium in an object. A
light beam that irradiates on the object from an incident unit is received by a
receiving unit and detected by a detector. The separation of the surface and deep
information of the medium can be achieved by a measuring system, wherein the
optical probes don't contact the object. In the present invention, the incident unit
10 and receiving unit can be configured according to polarization method, optical
baffle method, space imaging method and Brewster angle method etc.